Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/21/2022 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124784	-1	1.37	124726	1.35
Blue	F	SSC	125000	122611	-2	2.45	123116	2.34
Blue	E	FITC	13602	13333	-2	2.28	374	13.74
Blue	D	PE	24891	24436	-2	1.65	582	10.67
Blue	B	PerCP-Cy5-5	33972	33296	-2	2.95	949	15.12
Blue	A	PE-Cy7	22865	22912	0	4.95	478	31.35
Red	C	APC	47198	46565	-2	2.65	1606	11.38
Red	A	APC-Cy7	26454	25506	-4	3.15	723	12.25
Violet	B	V450	6737	6519	-4	3.48	456	11.67
Violet	A	V500	29317	28184	-4	3.02	969	8.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24025	2.36	567	32	N/A	N/A	Pass
Blue	F	SSC	55088	1.98	521	0	N/A	N/A	Pass
Blue	E	FITC	54	58.52	490	6	0.0434	234	Pass
Blue	D	PE	114	39.41	492	6	0.3851	312	Pass
Blue	B	PerCP-Cy5-5	150	41.34	586	7	0.0190	54	Pass
Blue	A	PE-Cy7	79	80.87	630	9	0.0209	0	Pass
Red	C	APC	336	25.78	574	2	0.0289	202	Pass
Red	A	APC-Cy7	135	34.73	551	0	0.0065	1400	Pass
Violet	B	V450	78	50.15	444	-6	0.0626	3243	Pass
Violet	A	V500	114	37.44	463	-6	0.0249	2021	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.70	-31.51	1.16
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.45
Red	15.89	13.90 - 20.86	N/A	N/A	29.90	30.12	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10180

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments